

ABSTRACT

A finless cone-nosed, ogival-nosed, or combination ogive-cone nosed training projectile is statically stable, yet has adequate spin rate to compensate for aerodynamic or mass asymmetries. In addition, the training projectile can be fired from smooth bore or rifled cannons of various calibers, including 120 mm and 105 mm. Spin torque and stability augmentation are provided by a radially angled slotted tail flange attached to the rear of the training projectile, providing high performance and improved accuracy at low cost for use in training exercises. The training projectile has a higher static margin than conventional devices, and provides the ability to train personnel with a training projectile that achieves flight ranges similar to its matching tactical projectile, and has improved accuracy.